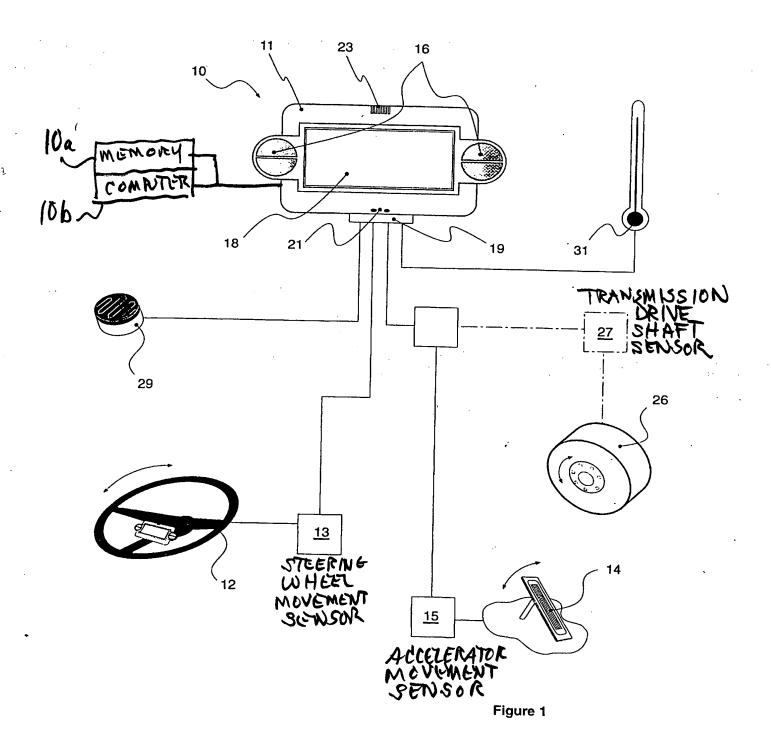
S.N. 09/341,093 Group 2736

1/30



10/30 09/341,093 S.N. Group 2736 able 1 Acc # 1-Vehicle Motion Acc # 2-Wheel Angle Light Sensor - Ambient Temp Sensor - Ambient Sounder Mark Button Steering Wheel Adapter <u>33</u> 13 D25 Electronic Interface DIN3 Detect Steering Angle <u>32</u> -||||Acc# 2 True Sensor Axis

Figure 10

PC Parallel Port

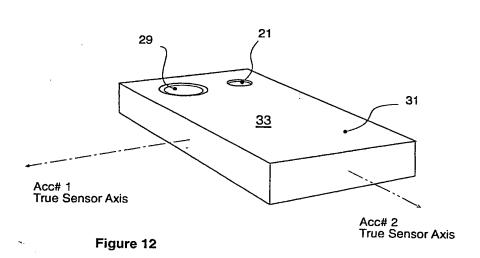
<u>39</u>

D15

ADC Converter Pico ADC 11

D25

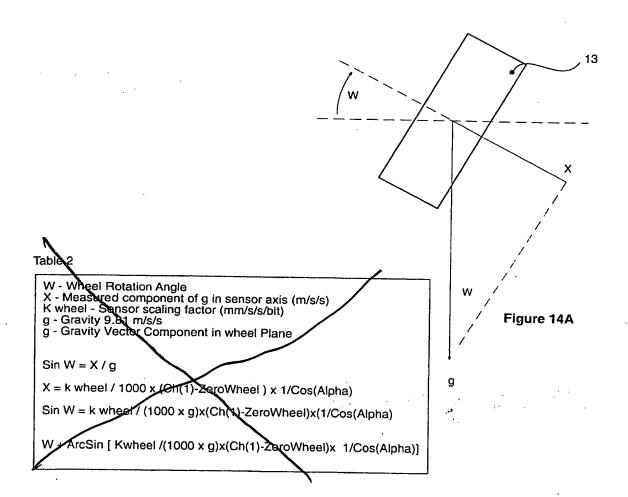
Charger 240VAC

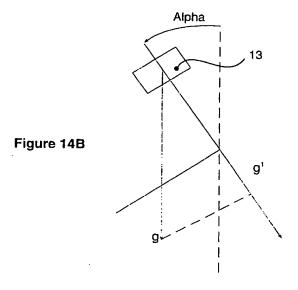


Acc# 1 True Sensor Axis

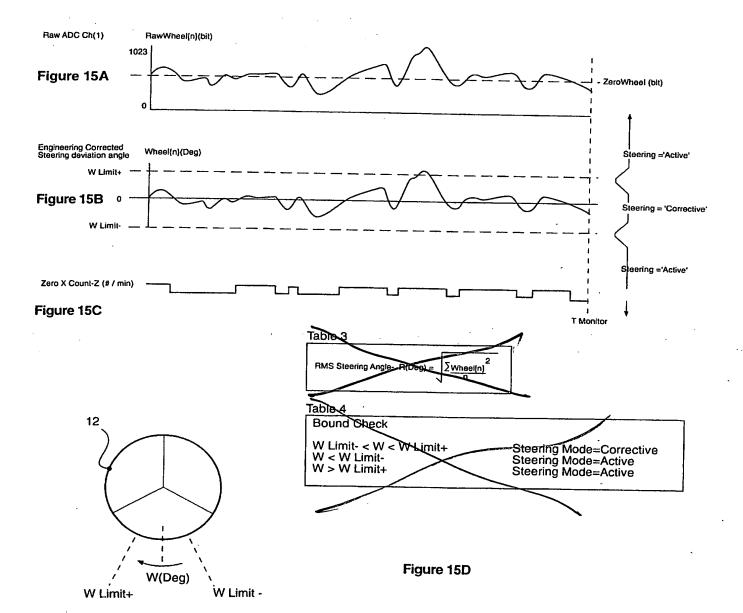
Figure 11

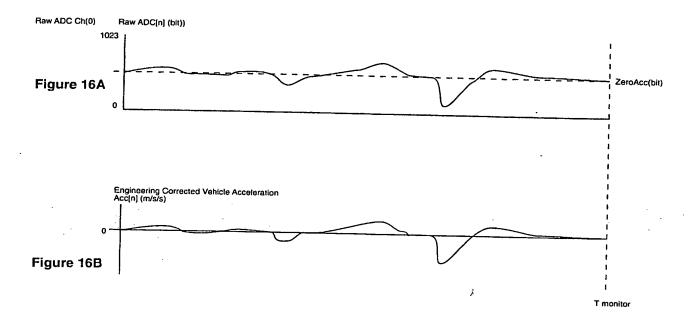
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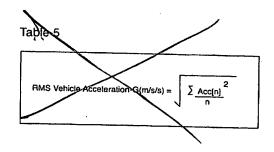


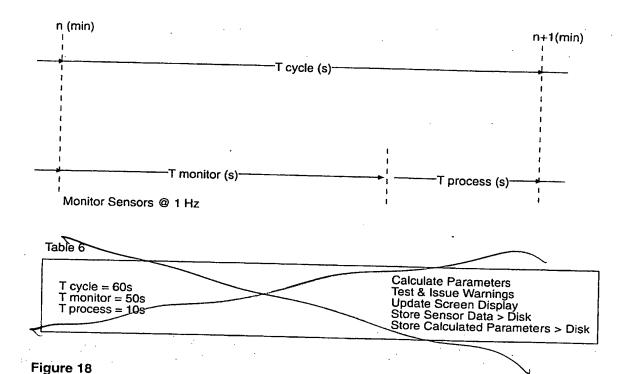


SUBSTITUTE SHEET (RULE 26)









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S.N. 09/341,093 Group 2736

Figure 19

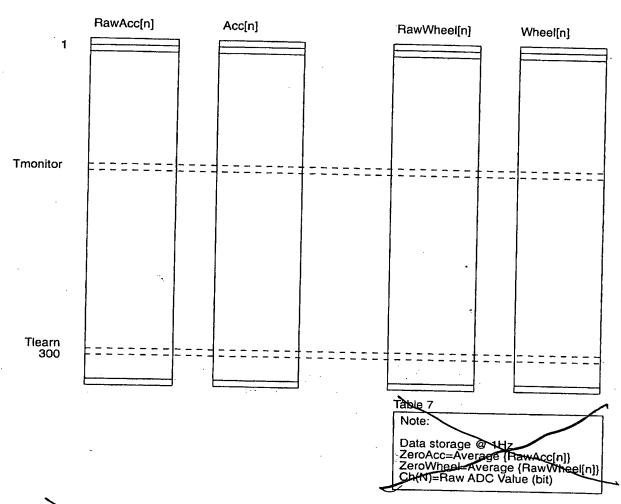


Table 8 Acc[n] = Kacc/1000 x (RawAcc[n]-ZeroAcc)x1/Cos(Alpha) (m/s/s) (mm/s/s/bit) (bit) (bit) Wheel[n] = ArcSin [Kwheel/(1000x9.81) x (RawWheel[n]-ZeroWheel)x1/Cos(Alpha)] (Deg) (mm/s/s/bit) (bit) (bit) $I = Klight/1000 \times (Ch(2)-ZeroLight)$ (KLx) (Lx/bit) (bit) (bit) $T = Ktemp/1000 \times (Ch(3) - ZeroTemp)$ (DegC) (mDegC/bit) (bit) (bit)

SUBSTITUTE SHEET (RULE 26)

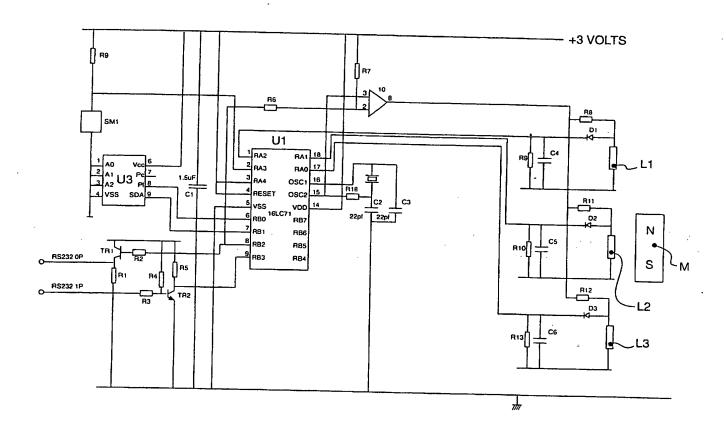


Figure × 20